



ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE GIVEN CONDITIONS 72 FT ROADWAY DATA: PAVEMENT WIDTHS 4 + PATHWAY NUMBER OF LANES MEDIAN WIDTH 14 FT IES SURFACE CLASSIFICATION 0.10 0-7FRO VALUE LIGHT POLE DATA: MOUNTING HEIGHT MAST ARM LENGTH 10 FT POLE SET-BACK FROM EDGE OF PAVEMENT LUMINAIRE DATA: LAMP TYPE 400W CLEAR MH LAMP LUMENS 44,000 IES VERTICAL DISTRIBUTION MEDIUM IES CONTROL OF DISTRIBUTION CUTOFF TYPE III IES LATERAL DISTRIBUTION TOTAL LIGHT LOSS FACTOR 200 FT SPACING LAYOUT DATA: SINGLE HEAD POLE MOUNT CONFIGURATION LUMINAIRE OVERHANG OVER EDGE 5 FT OF PAVEMENT LINE NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET. PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

AVERAGE HORIZONTAL ILLUMINATION, (EAVE) 1.3 FC ILLUMINATION: UNIFORMITY RATIO, (EAVE/EMIN)

LUMINANCE:

1.5 Cd/m2 AVERAGE LUMINANCE: (LAVE) UNIFORMITY RATIOS: (LAVE/LMIN) (LMAX/LMIN)

MAXIMUM VEILING

LUMINANCE RATIO: (LV/LAVE)

0.2

- POLE NUMBER NOTE: ACTUAL POLE NUMBERS TO BE PROVIDED BY OWNER

THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION ON EACH NEW LIGHT POLE, AS SHOWN ABOVE, COST INCLUDED IN THE RESPECTIVE LIGHT POLE PAY ITEM. THE NUMERALS SHALL BE 3 IN. SERIES "D", BLACK, SCREENED ON SILVER-WHITE TYPE B PRESSURE SENSITIVE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SECTION T602.01 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. THE NUMERALS SHALL CONFORM TO THE FHWA "STANDARD ALPHABETS FOR HIGHWAY SIGNS"

THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN SECTION 1069.02 OF THE STANDARD SPECIFICATIONS, APPROXIMATELY 7 FT. ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 720001.

LIGHT POLE IDENTIFICATION DETAIL

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS/ WATTS	VOLTS	MOUNTING	REMARKS
F1	POLE MOUNTED DECORATIVE HEAD ROADWAY LUMINAIRE, HEAVY GAUGE ALUMINUM HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS, BAKED ON BLACK POLYESTER POWDER COAT FINISH, ANODIZED ALUMINUM TYPE III FULL CUTOFF OPTICS, TEMPERED GLASS LENS, MEDIUM BASE PORCELAIN SOCKET, HPF CWA TYPE BALLAST, UL LISTED WET LOCATIONS.	VISIONSCAPES: ODN-2T3400P6 MAP-01BKC2H5 OR APPROVED EQUAL	1-400W MH ANSI CODE NO. M59 456 TOTAL INPUT WATTS	480 (MULTI- TAP BALLAST)		SUPPLY A 100 MPH RATED POLE AT 200% OF THE RATED EPA OF THE FIXTURE AND MAST ARM PROVIDED. SPECIFIED FIXTURE EPA RATING EQUALS 0.7 SQ FT EACH
F2	POLE MOUNTED DECORATIVE HEAD WALKWAY LUMINAIRE, HEAVY GAUGE ALUMINUM HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS, BAKED ON BLACK POLYESTER POWDER COAT FINISH, ANODIZED ALUMINUM TYPE II FULL CUTOFF OPTICS, TEMPERED GLASS LENS, MEDIUM BASE PORCELAIN SOCKET, HPF CWA TYPE BALLAST, UL LISTED WET LOCATIONS.	VISIONSCAPES: ODN-1T2150P6 PMBKC2H5/ VSWA8 OR APPROVED EQUAL	1-150W MH ANSI CODE NO. M81 193 TOTAL INPUT WATTS		MOUNTED ON SIDE OF ROADWAY POLE WITH DECORATIVE ARM	

Corporate License Number 184-001-084

LIGHTING DETAILS

HARRISON AVENUE BRIDGE OVER UP & CC&P RAILROAD F.A.P. ROUTE 0525 SECTION 02-00518-00-BR ROCKFORD. ILLINOIS WESTBOUND STRUCTURE NO. 101-6109

EASTBOUND STRUCTURE NO. 101-6111 03R1751

07/18/06

HANDHOLE ORIENTATION DETAIL - LOCATION NUMBER